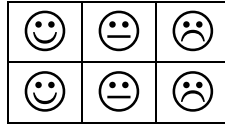


STRAIGHT LINES

A: I can state and recognise the equation of horizontal and vertical lines

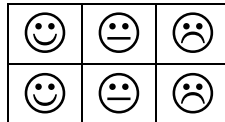


Sketch $y = 1$
Sketch $x = 5$

State the equation of the lines in these diagrams.



B: I can draw straight line graphs from the equation



Complete the table and use it to draw the graph of $y = x + 3$

x	-2	-1	0	1	2
y					

Make tables to help you to draw the graph of

- 1) $y = x - 5$
- 2) $y = 5x + 1$
- 3) $y = 3x + 2$
- 4) $y = 2x - 3$

C: I can use straight line graphs to answer related problems

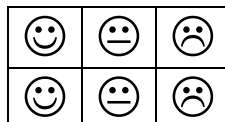


PlumbersRUs charge a call-out fee of £35 and £25 per hour labour.

Fixit plumbers charge a call-out fee of £20 and £30 per hour labour.

How many hours would the job need to take for PlumbersRUs to be the cheaper option?

D: I recognise the equation $y = mx + c$ and know the meaning of m and c



In the equation $y = 3x + 1$ what does the 3 tell you about? What does the one tell you about the line? Sketch the line.